

SAFE OPERATING PROCEDURE

LOCATION DETAILS

School/Branch: Adelaide Microscopy – Basement Medical School North

SAFE OPERATING PROCEDURE DETAILS

PALM LASER MICRODISSECTION AND PRESSURE
CATAPULTING (LMPC)Date prepared:
20/ 05 /13

PREPARED BY Name, Position and Signature (insert names of the supervisor, HSR, HSO and operator involved)

Name Ruth Williams

Position Microscopist

Signature

RISK ASSESSMENT

Has a risk assessment been completed and
have all other environmental considerations
been made?Yes ☒ No ☐

See Risk Assessment dated:

/ /

Risk Rating:

- ☐
- Low
-
- ☐
- Medium
-
- ☐
- High
-
- ☐
- Very High

SAFE OPERATING PROCEDURE DETAILS

Procedure (Include control measures listed in risk assessment within the procedure):

Pre-operational Checks

Operational Checks

The Palm laser microdissection and pressure catapulting instrument (LMPC) IS A LASER DEVICE OF Class 1 M. Built in is a pulsed UV Laser of class 3B. It bears a potential risk. A direct or reflected beam must not strike the unprotected eye (do not look directly into the beam).

Under no circumstances is the user entitled to open the laser unit. The laser system is encapsulated and may only be repaired or exchanged by authorised personnel. Improper use of the laser may lead to injury.

There is a risk of injury if using other operating or adjusting equipment or other methods than those described in the Palm Microbeam User Manual located on the bench next to the LMPC.. The user may be exposed to dangerous radiation.

HSW Handbook	Hazard Management	Effective Date:	11 February 2010	Version 1.1
Authorised by	Vice Chancellor and President	Review Date:	February 2013	Page 1 of 2
Warning	This process is uncontrolled when printed. The current version of this document is available on the HSW Website.			

All observation ports are equipped with UV shields.

The only user operable parts on the Palm Laser Microdissection System are the microscope, robostage, control unit, collection device holder, and the computer system (mouse and keyboard). There is no risk involved in the operation of these parts. However, misuse of these parts can result in damage to the instrument. **All new users must have a practical demonstration of the operation of the machine from a trained member of Adelaide Microscopy (AM) staff.** Users should operate the instrument in accordance with the manufacturer supplied operating instructions to avoid damage to the instrument. The user operable parts are all accessible from the operator's console: users of the instrument should not access the rear of the instrument. Nor should they attempt to remove any fixture or panel from the microscope.

Handling of biological material may present some safety problems and the safe operating procedure for handling animals and biological material must be followed. The safe handling of general laboratory items is detailed in the Adelaide Microscopy laboratory general safety procedures. Low stocks of consumable items (gloves, paper towel, etc.) should be reported to a member of AM staff.

On completion of work

Note: This Safe Operating Procedure must be reviewed :

- a) after any accident, incident or near miss;
- b) when training new staff;
- c) if adopted by new work group;
- d) if equipment, substances or processes change; or
- e) within 5 years of date of issue.

HSW Handbook	Hazard Management	Effective Date:	11 February 2010	Version 1.1
Authorised by	Vice Chancellor and President	Review Date:	February 2013	Page 2 of 2
Warning	This process is uncontrolled when printed. The current version of this document is available on the HSW Website.			